

Progress Report

- Increment 2 -

Group #6

1) Team Members

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2) Project Title and Description

CompSci Course Schedule Overhaul

In this project, we hope to overhaul the schedule assistant and the degree progress program provided by FSU for computer science majors. The current iteration is disorganized and difficult to navigate. This project will combine aspects from the schedule assistant along with new features and additions to make course selection much easier and faster for computer science students.

3) Accomplishments and overall project status during this increment

- Homepage
 - Homepage now shows the current status of the student's progress through the degree plan
- Polish UI/User Experience
 - Implemented two color themes for the website, light mode and dark mode
 - Light/dark mode can be toggled through the navbar
 - Redirection within the app is much smoother than before because the pages are not refreshed each time a user clicks on a link
 - Fixed styling for previous components so that the styling is more consistent
- Navbar
 - Added a navbar that always shows at the top of each page when the user is logged in
 - The navbar has a menu icon that displays the pages that a user can navigate to
 - The user is also able to manage their account or log out through the navbar by clicking on a profile icon
- User Account Management
 - Created a page which allows a user to change/update their name, password, and completed/outstanding classes
 - It displays the user's current name at the top of the page
- Additional Login Providers
 - Implemented the ability to login using Google, GitHub, and Yahoo
- Course Selection/Flowchart
 - Created a component that looks like the CS flowchart
 - This component allows the user to select what classes they have completed and save their info in the Firestore database
- Degree progress bar
 - Creates a component that works as a progress bar that indicates how much of the users degree is completed

Most of the main functionality of the app is now completed. The users can create/log into their account and reset their passwords. The user can also modify their information and selected classes. The Course Selection component allows the user to easily see what classes they have completed and helps them to decide what ones to take next.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Challenges:

The main challenge for the second increment continues to be the steep learning curve associated with learning all the technologies that our group chose to use. As mentioned in our last progress report, we do not have much prior experience with HTML/CSS/Javascript or React.

Changes:

Instead of course schedule generation, we will be doing course schedule recommendations. It is not feasible for us to generate schedules for the student in the same way that the FSU schedule assistant can because we aren't able to access FSU's course database. Another one of our changes from this increment was that we split the degree progress viewer into two different parts. Now, we have the course selection/flowchart component along with a degree progress bar component that will be rendered separately. Another change is that we are now only focusing on the degree plan for students pursuing a B.S. computer science degree.

Problems:

The main problem that we ran into was that as we learned more about React/HTML/CSS, we realized that the code we wrote earlier was not the best. So, we had to spend a lot of time refactoring and improving various parts of our project.

5) Team Member Contribution for this increment

- Andrew Stade
 - a) Section 1, Section 2, Section 3, Section 5, Section 6, Section 7
 - b) Section 1, Section 2, Section 3, Section 4, Section 5, Section 6
 - c) Section 1, Section 3
 - d) Implemented the error-404 missing page
 - e) Gave overview, talked about the change of scope, and showed missing page component
- Frankie Messina
 - a) Section 1, Section 2, Section 3, Section 5, Section 6, Section 7
 - b) Section 1, Section 2, Section 3, Section 4, Section 5
 - c) Section 1, Section 2
 - d) Implemented the account settings page
 - e) Showed the user account management component and recorded/edited the video
- Zach Porcoro
 - a) Section 1, Section 3, Section 4, Section 5, Section 6, Section 7
 - b) Section 1, Section 2, Section 3, Section 4, Section 5, Section 6, Section 7
 - c) Section 1, Section 2, Section 5
 - d) Implemented the additional login providers (Google, GitHub, Yahoo), the global theming, and the course selection/flowchart component.
 - e) Showed the theming, course selection/flowchart component, and additional login providers (Google, GitHub, Yahoo)

- Peter Vasiljev
 - a) Section 1, Section 2, Section 3, Section 4, Section 5, Section 6, Section 7
 - b) Section 1, Section 2, Section 3, Section 4, Section 5, Section 6, Section 7
 - c) Section 1, Section 2
 - d) Improved home page component, implemented navbar, general code refactoring, CSS layout adjustments on multiple components
 - e) Showed the navbar, home page component, and talked about the plans for the next increment
- Raul Rodriguez
 - a) Section 1, Section 3, Section 7
 - b) Section 1, Section 2, Section 3, Section 4, Section 5
 - c) N/A
 - d) Implemented degree viewer component
 - e) Showed the degree progress bar

6) Plans for the next increment

For the next increment, we intend to implement:

- Course recommendation
- Electives/Courses information Page
- Additional CS resources Page
- Course instructor feedback data (SPCI or Rate My Professor)

7) Link to video

https://drive.google.com/file/d/1Gnwc65uleCkkcqSL8tYmxB_x8IjPSiK9/view